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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/049,696	03/27/1998	PATRICIA A. BILLING-MEDEL	6067.US.O1	5914

23492 7590 12/17/2004

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ABBOTT LABORATORIES
100 ABBOTT PARK ROAD
DEPT. 377/AP6A
ABBOTT PARK, IL 60064-6008

EXAMINER

MARTINELL, JAMES

ART UNIT	PAPER NUMBER
----------	--------------

1631

DATE MAILED: 12/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/049,696

Applicant(s)

BILLING-MEDEL ET AL.

Examiner

James Martinell

Art Unit

1631

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 August 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 33-38 and 40 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 33-38 and 40 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

Art Unit: 1631

The indicated allowability of claim 40 is withdrawn in view of the newly discovered reference(s) to Tang et al (U.S. 2001/0025098). Rejections based on the newly cited reference(s) follow.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 33-38 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tang et al (U.S. 2001/0025098). SEQ ID NOs: 18, 19, and 20 are contained within SEQ ID NO: 25 of Tang et al (U.S. 2001/0025098). See the alignments in Appendices A, B, and C of this Office action. None of SEQ ID NOs: 18, 19, or 20 has basis in parent application Serial No. 08/829,754, so the effective filing date of each of the instant claims is March 27, 1998. SEQ ID NO: 25 of Tang et al (U.S. 2001/0025098) has basis in Serial No. 09/039,307 (filed March 13, 1998) as SEQ ID NO: 24. In addition, Tang et al teaches the expression of the DNAs disclosed in Tang et al in heterologous hosts (*e.g.*, see paragraphs 0167-0182), thus meeting claims 35-37. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Martinell whose telephone number is (571) 272-0719. The fax phone number for Examiner Martinell's desktop workstation is (571) 273-0719. The examiner works a flexible schedule and can be reached by phone and voice mail. Alternatively, a request for a

Art Unit: 1631

return telephone call may be e-mailed to james.martinell@uspto.gov. Since e-mail communications may not be secure, it is suggested that information in such requests be limited to name, phone number, and the best time to return the call.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Woodward, can be reached on (571) 272-0722.


FAX NUMBER

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Any Official Communication to the USPTO should be faxed to this number.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-9197. When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent application status and history information. It also enables applicants to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

For all other customer support, please call the USPTO Call Center (UCC) at 800-786-9199.


James Martinell, Ph.D.
Primary Examiner
Art Unit 1631

12/11/04

Qy	121	ATGGCCTCATTGATGCTTTTGGGGCCCTTTTCATCAGGAATGAGCTGTCTCTCAGCGCT	180
Db	1284	ATGGCCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAATGAGCTGTCTCTCAGCGCT	1343
Qy	181	CCATCCAGCTTGAGAGTAAAGGATTAACCCCTCAGAAACAGCCAGTGGATGAATGGCACAG	240
Db	1344	CCATCCAGCTTGAGAGTAAAGGATTAACCCCTCAGAAACAGCCAGTGGATGAATGGCACAG	1403
Qy	241	TGATCGTGGACAGCACCGTGGGAAAGGACACTTTTGTTTCTTATCACCTGGACAACGACG	300
Db	1404	TGATCGTGGACAGCACCGTGGGAAAGGACACTTTTGTTTCTTATCACCTGGACAACGACG	1463
Qy	301	CTCCCCAAATCTCTCTCGGGATCCCAAGTGGACAGAAAGGAGTGCTTTGTAGTGGACA	360
Db	1464	CTCCCCAAATCTCTCTCGGGATCCCAAGTGGACAGAAAGGAGTGCTTTGTAGTGGACA	1523
Qy	361	AAACAACCAAAATGGCCCTACTCTCAAAATCCAGCATTTGCTTAAGTTGGCACATTGGAAAT	420
Db	1524	AAACAACCAAAATGGCCCTACTCTCAAAATCCAGCATTTGCTTAAGTTGGCACATTGGAAAT	1583
Qy	421	ACAGTCTGCAAGCAAGCTCAAAAACCTTGAACCTCTGACTGTACGCTCCGCTGCGTCCAATG	480
Db	1584	ACAGTCTGCAAGCAAGCTCAAAAACCTTGAACCTCTGACTGTACGCTCCGCTGCGTCCAATG	1643
Qy	481	CTACCTGCGCTCCAAATTAAGTGAAGTCTCCAAAACGAAACAGACACAGCAAAATTTCCCA	540
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Qy	541	GCCTCTGGTAGTTTATGCAAAATATTCGCNAAGAGCCTCCCAATTTCTCAGGGCCAGTG	600
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Qy	601	TCACAGCCCTGATTTGAATCAGTGAATGGAANAACAGTTTACTTTGGAACTACTCGATAATG	660
Db	1764	TCACAGCCCTGATTTGAATCAGTGAATGGAANAACAGTTTACTTTGGAACTACTCGATAATG	1823
Qy	661	GAGCAGGTGCTGATGCTACTAAGAGATGACGGTGTCTACTCAAGTATTTTCACAACTTATG	720
Db	1824	GAGCAGGTGCTGATGCTACTAAGAGATGACGGTGTCTACTCAAGTATTTTCACAACTTATG	1883
Qy	721	ACAGCAATGCTAGATACAGTGTAAAAGTGGGGCTCTGGGAGGAGTTAAACGACGCCAGAC	780
Db	1884	ACAGCAATGCTAGATACAGTGTAAAAGTGGGGCTCTGGGAGGAGTTAAACGACGCCAGAC	1943
Qy	781	GGAGAGTGATACCCCGACAGAGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATG	840
Db	1944	GGAGAGTGATACCCCGACAGAGTGGAGCACTGTACATACCTGGCTGGATTGAGAAATGATG	2003
Qy	841	AAATACAATGGAATCCACCAAGACCTGAAATTAATAAGGATGATGTTTCAACACAGCAAG	900
Db	2004	AAATACAATGGAATCCACCAAGACCTGAAATTAATAAGGATGATGTTTCAACACAGCAAG	2063
Qy	901	TGTGTTTCAGCAGAAACATCTCGGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTC	960
Db	2064	TGTGTTTCAGCAGAAACATCTCGGGAGGCTCATTTGTGGCTTCTGATGTCCTCAATGCTC	2123
Qy	961	CCATACCTGATCTCTTCCACCTGGCCAAATACCCGACCTGAAAGCGCGAAATTCACGGGG	1020
Db	2124	CCATACCTGATCTCTTCCACCTGGCCAAATACCCGACCTGAAAGCGCGAAATTCACGGGG	2183
Qy	1021	GCAGTCTCATTAATCTGACTTGGACAGCTCTCGGGATGATTAATGACATGGAAACAGCTC	1080
Db	2184	GCAGTCTCATTAATCTGACTTGGACAGCTCTCGGGATGATTAATGACATGGAAACAGCTC	2243
Qy	1081	ACAAGTATATCATTTGCAATTAAGTACAGTATTTCTTGATCTCAGACAGCAAGTTTCAATGAAT	1140
Db	2244	ACAAGTATATCATTTGCAATTAAGTACAGTATTTCTTGATCTCAGACAGCAAGTTTCAATGAAT	2303
Qy	1141	CTCTTCAAGTCAATACTACTCTCTCATCCCAAGGAGGACCACTCTGAGGAAGTCTTTTT	1200
Db	2304	CTCTTCAAGTCAATACTACTCTCTCATCCCAAGGAGGACCACTCTGAGGAAGTCTTTTT	2363
Qy	1201	TGTTTAAACCAAGAAAACATTACTTTTGAANAATGGCACAGATCTTTTTTCACTGCTATTCAAG	1260

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2424	Db		CTGTGTAATAGGTCGATCTGAAATCAGAAATATCCAAACATTGCAACGAGTATCTTTGTTTA	2483
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1381	Qy		ATATTATCATATCAACAGCACCATTTCTGTGGCAATTCACATTTTAAAAATTTATGTGGAAGTGG	1440
2544	Db		ATATTATCATATCAACAGCACCATTTCTGTGGCAATTCACATTTTAAAAATTTATGTGGAAGTGG	2603
1441	Qy		TAGGAGAACTGCAGCTGTCAATAGCCCTAGGCGCTGAAATTTTGTGCAGATAAATAAAAAATAAA	1500
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2664	Db		TCATTCATCTCTTTTCTTTTGGATATAAAAAATTTTCTAAAAATGATATTTTAGACCTTCCTGTAGG	2723
1561	Qy		GGGCGATATACATAAATGTATATAGTACATTTATACATAAATGTATCTCTGAGGGGGCGAT	1620
2724	Db		GGGCGATATACATAAATGTATATAGTACATTTATACATAAATGTATCTCTGAGGGGGCGAT	2783
1621	Qy		ATACTAAATGTATTTTAGACTTCCTCTAGGGGGCGATAAAAAATAAATGCTGTAAACAACTGG	1680
2784	Db		ATACTAAATGTATTTTAGACTTCCTCTAGGGGGCGATAAAAAATAAATGCTGTAAACAACTGG	2843
1681	Qy		GTA 1683	
2844	Db		GTA 2846	

RESULT 2

```

US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guesler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 17
US-09-823-356-25

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Query Match      100.0%; Score 1683; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 AACAAAGTGTGCATCATCCACACACTGCTTTGGGGCCCTCTGCAGCTCAAGAACTAG 60

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APPENDIX B 42

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Qy	61	AG	GAGCTGTCCTCAAAATGACGAGAGTTTACAGACATATGCTTTCAGATCAAGTTCAGAACA	120
Db	1370	AG	GAGCTGTCCTCAAAATGACGAGAGTTTACAGACATATGCTTTCAGATCAAGTTCAGAACA	1429
Qy	121	AT	GGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT	180
Db	1430	AT	GGCTCATTTGATGCTTTTGGGGCCCTTTTCATCAGGAAATGGAGCTGTCTCTCAGCGCT	1489
Qy	181	CC	ATCCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGCTGATGAATGGCCACAG	240
Db	1490	CC	ATCCAGCTTGAGAGTAAGGATTAACCCCTCCAGAACAGCCAGCTGATGAATGGCCACAG	1549
Qy	241	TG	ATGCTGGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCACCTGGACCAACGCGAGC	300
Db	1550	TG	ATGCTGGACAGCACCGTGGGAAAGGACACTTTGTTTCTTATCACCTGGACCAACGCGAGC	1609
Qy	301	CT	CCCCAAATCTTCTCTCGGATCCCAAGTGGACAGAAAGCAAGTGGCTTTGTATGGACA	360
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Db	1790	CT	ACCTGCGCTCCAAATTTACAGTGAATCTCCAAAAGCAACAGGACACACAGCAAAATCCCCA	1849
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Qy	781	GG	AGATGTATACCCAGCAGAGTGGAGCACTGTACATACCTGGCTGGATTTGAGATGATG	840
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Qy	841	AA	ATAAATGGAATCCACCAAGACCTGAAATTAATGAAGATGATTTCAACCAAGCAAG	900
Db	2150	AA	ATAAATGGAATCCACCAAGACCTGAAATTAATGAAGATGATTTCAACCAAGCAAG	2209
Qy	901	TG	TGTTTCAGCAACATCTCCGGAGGCTCATTTGTGGCTTCTGATGTCCAAATGCTC	960
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Db	2270	CC	ATACTGATCTCTTCCCACTGGCCAAATCACCGACCTGAAGCGGAAATTCACGGGG	2329
Qy	1021	GC	AGTCTCAATTAATCTGACTTGGACAGCTCCTGGGATGATTTATGACCATGGAAACAGTCT	1080
Db	2330	GC	AGTCTCAATTAATCTGACTTGGACAGCTCCTGGGATGATTTATGACCATGGAAACAGTCT	2389
Qy	1081	ACA	AGTATATCATTCGAATGATCAAGTATTTCTTGATCTCAGACAAAGTTCAATGAAT	1140

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QY	1261	CTGTTGATAAGGTCGATCTGAAATCAGAAATATCCAACATTTGCACGAGTATCTTTTGTTTA	1320
Db	2570	CTGTTGATAAGGTCGATCTGAAATCAGAAATATCCAACATTTGCACGAGTATCTTTTGTTTA	2629
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QY	1381	ATATTTCATATCAACAGCACCAATCTCTGGCAATTCACATTTTAAAAAATATGTGGAAGTGA	1440
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Db	2990	GTA 2992	
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US-09-981-353-191			
; Sequence 191, Application US/09981353			
; Patent No. US20020160382A1			
; GENERAL INFORMATION:			
; APPLICANT: Lasek, Amy W.			
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER			
; FILE REFERENCE: PA-0038 US			
; CURRENT APPLICATION NUMBER: US/09/981,353			
; CURRENT FILING DATE: 2001-10-11			
; NUMBER OF SEQ ID NOS: 194			
; SOFTWARE: PERL Program			
; SEQ ID NO 191			
; LENGTH: 3111			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: misc feature			
; OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1			
US-09-981-353-191			
Query Match 100.0%; Score 1683; DB 9; Length 3111;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 1683; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Query Match	100.0%;	Score 1683;	DB 9;	Length 3111;	
Best Local Similarity	100.0%;	Pred. No. 0;			
Matches 1683;	Conservative	0;	Mismatches	0; Gaps	0;
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Dd	1310	AACAAAGTGGTCATCTCCACACAGTGCCTTTGGGGCCCTCTGCGAGCTCAAGAACTAG	1369		

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 18, 2004, 14:21:36 ; Search time 930.916 Seconds
(without alignments)
16392.172 Million cell updates/sec

Title: US-09-049-696-20

Perfect score: 2983

Sequence: 1 GAAATCACAGGGAGATGTAC.....AAATGCTAAACAACCTGGGTA 2983

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3403857 seqs, 2557783690 residues

Total number of hits satisfying chosen parameters: 6807714

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.*

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- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/1/pubpna/US10E_PUBCOMB.seq.*
- 18: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 20: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	2983	100.0	3111	9	US-09-823-356-25
2	2983	100.0	3111	9	US-09-981-353-191
3	2983	100.0	3111	15	US-10-235-994-25
4	2983	100.0	3267	9	US-09-764-868-22
5	2971.8	99.6	3007	14	US-10-055-412B-27
6	2966.2	99.4	3311	9	US-09-922-217-1056
7	2966.2	99.4	3311	9	US-09-833-263-1056
8	2966.2	99.4	3311	13	US-10-025-380-1056
9	2966.2	99.4	3311	15	US-10-393-590-11
10	2966.2	99.4	3311	15	US-10-393-590-12
11	2966.2	99.4	3311	15	US-10-393-590-46
12	2966.2	99.4	3311	15	US-10-393-590-47
13	2966.2	99.4	3311	15	US-10-393-567-11

14	2966.2	99.4	3311	15	US-10-393-567-12	Sequence 12, Appl
15	2966.2	99.4	3311	15	US-10-393-567-46	Sequence 46, Appl
16	2966.2	99.4	3311	15	US-10-393-567-47	Sequence 47, Appl
17	2966.2	99.4	3311	15	US-10-394-087-11	Sequence 11, Appl
18	2966.2	99.4	3311	15	US-10-394-087-12	Sequence 12, Appl
19	2966.2	99.4	3311	15	US-10-394-087-46	Sequence 46, Appl
20	2966.2	99.4	3311	15	US-10-394-087-47	Sequence 47, Appl
21	2966.2	99.4	3311	15	US-10-106-698-1971	Sequence 1971, Ap
22	2814.2	94.8	2854	15	US-10-106-698-351	Sequence 351, Ap
23	2793.6	93.7	3109	15	US-10-106-698-2111	Sequence 2111, Ap
24	2743	92.0	2745	14	US-10-270-595-5	Sequence 5, Appli
25	2489.2	83.4	4569	10	US-09-867-034-3	Sequence 3, Appli
26	2489.2	83.4	4569	15	US-10-276-115-3	Sequence 1, Appli
27	1764	59.1	2931	14	US-10-270-595-1	Sequence 850, App
28	1512	50.7	1512	16	US-10-305-720-850	Sequence 53, Appl
29	1310.2	43.9	3169	9	US-09-981-353-53	Sequence 15, Appl
30	1310.2	43.9	3169	15	US-10-235-994-15	Sequence 31, Appl
31	1310.2	43.9	3204	15	US-10-345-680-31	Sequence 6, Appli
32	1310.2	43.9	3204	17	US-10-482-669-6	Sequence 33, Appl
33	1310.2	43.9	3218	15	US-10-087-080-33	Sequence 16, Appl
34	1308.6	43.9	3043	13	US-10-025-167-16	Sequence 18, Appl
35	1307.8	43.8	2751	17	US-10-025-167-18	Sequence 2, Appli
36	1307.8	43.8	2751	17	US-10-482-669-2	Sequence 33, Appl
37	1307.8	43.8	2754	15	US-10-345-680-33	Sequence 378, App
38	1304	43.7	3265	9	US-09-989-722-378	Sequence 378, App
39	1304	43.7	3265	9	US-09-989-723-378	Sequence 378, App
40	1304	43.7	3265	9	US-09-989-279-378	Sequence 378, App
41	1304	43.7	3265	9	US-09-989-727-378	Sequence 378, App
42	1304	43.7	3265	9	US-09-989-731-378	Sequence 378, App
43	1304	43.7	3265	9	US-09-989-732-378	Sequence 378, App
44	1304	43.7	3265	9	US-09-991-073-378	Sequence 378, App
45	1304	43.7	3265	9	US-09-990-442-378	Sequence 378, App

ALIGNMENTS

RESULT 1
US-09-823-356-25
; Sequence 25, Application US/09823356
; Patent No. US20010025098A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Bandman, Olga
; APPLICANT: Lal, Preeti
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Yue, Henry
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Baughn, Mariah R.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: HUMAN MEMBRANE SPANNING PROTEINS
; FILE REFERENCE: PF-0489-1 CON
; CURRENT APPLICATION NUMBER: US/09/823,356
; CURRENT FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/039,307
; PRIOR FILING DATE: 1998 March 13
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PERL Program
; SEQ ID NO 25
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20010025098A1 1737775
; US-09-823-356-25

Query Match 100.0%; Score 2983; DB 9; Length 3111;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2983; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

NAME/KEY: misc feature	Query Match	100.0%	Score 2983;	DB 9;	Length 3111;
OTHER INFORMATION: Incyte ID No. US20020160382A1 1737775CB1	Best Local Similarity	100.0%;	Pred. No. 0;		
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QY	1	GAATATCAGGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCCTGTGTTCAATCTTGATT	60		
DB	10	GAATATCAGGGAGATGTACAGCAATGGGGCCATTTAAGAGTTCCTGTGTTCAATCTTGATT	69		
QY	61	CTTCACCTTCTAGAAAGGGCCCTCAGTAATTTCACTCATTTACGTGGAACAACAATGGCTAT	120		
DB	70	CTTCACCTTCTAGAAAGGGCCCTCAGTAATTTCACTCATTTACGTGGAACAACAATGGCTAT	129		
QY	121	GAAGGCATTCGTGTTGCAATCGAACCCCAATGTGCGAGAAGATGAAACACTCATTTCAACAA	180		
DB	130	GAAGGCATTCGTGTTGCAATCGAACCCCAATGTGCGAGAAGATGAAACACTCATTTCAACAA	189		
QY	181	ATAAAGACATGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAAGCGATTT	240		
DB	190	ATAAAGACATGTGACCCAGGCATCTCTGTATCTGTTTGAAGCTACAGGAAAGCGATTT	249		
QY	241	TATTTCAAAATGTTGCCATTTTGATTCCTGAAACATGGAAGACAAAGGCTGACTATGTG	300		
DB	250	TATTTCAAAATGTTGCCATTTTGATTCCTGAAACATGGAAGACAAAGGCTGACTATGTG	309		
QY	301	AGACCAAACTTTGAGACCTACAAAAATGCTGATGTTCTGTGTTGCTGAGTCTACTCTCCCA	360		
DB	310	AGACCAAACTTTGAGACCTACAAAAATGCTGATGTTCTGTGTTGCTGAGTCTACTCTCCCA	369		
QY	361	GGTAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC	420		
DB	370	GGTAATGATGAACCTTACACTGAGCAGATGGGCAACTGTGGAGAGAGGGTGAAGGATC	429		
QY	421	CACCTCACCTCTGATTTTCAATTCAGCAAAAAGTTAGCTCAATATGGAACCAAGGTAGG	480		
DB	430	CACCTCACCTCTGATTTTCAATTCAGCAAAAAGTTAGCTCAATATGGAACCAAGGTAGG	489		
QY	481	GCATTTGTCATGAGTGGGCTCATCTACGATGGGGAGTATTTCCAGAGTACAAATATGAT	540		
DB	490	GCATTTGTCATGAGTGGGCTCATCTACGATGGGGAGTATTTCCAGAGTACAAATATGAT	549		
QY	541	GAGAAATTCCTACTTATCCAAATGGAAGATACAAAGCAGTAAAGATGTTTCCAGCAGGTATTCT	600		
DB	550	GAGAAATTCCTACTTATCCAAATGGAAGATACAAAGCAGTAAAGATGTTTCCAGCAGGTATTCT	609		
QY	601	GGTACAAATGTAGTAAGAGATGTGTCAGGAGCAGCTGTTTACACAAAAGATGCAATTC	660		
DB	610	GGTACAAATGTAGTAAGAGATGTGTCAGGAGCAGCTGTTTACACAAAAGATGCAATTC	669		
QY	661	AATAAGTAAACAGGACTCTATGAAAAGAGTGTGAGTTGTTTCCAAATCCCGCCAGAGC	720		
DB	670	AATAAGTAAACAGGACTCTATGAAAAGAGTGTGAGTTGTTTCCAAATCCCGCCAGAGC	729		
QY	721	GAGAAGGCTTCTATAATGTTTGGCAAAATGTTGATTTCTATAGTTGAAATCTGTACAGAA	780		
DB	730	GAGAAGGCTTCTATAATGTTTGGCAAAATGTTGATTTCTATAGTTGAAATCTGTACAGAA	789		
QY	781	CAAAACCAACAAGAGAGCTCCAAAAGCAAAATCAAAATGCAATCTCCGAAGCACA	840		
DB	790	CAAAACCAACAAGAGAGCTCCAAAAGCAAAATCAAAATGCAATCTCCGAAGCACA	849		
QY	841	TGGGAAGTGTACCGTGATTTCTGAGGACTTTAAGAAACCACTCTTATGACAAACAGCCA	900		
DB	850	TGGGAAGTGTACCGTGATTTCTGAGGACTTTAAGAAACCACTCTTATGACAAACAGCCA	909		
QY	901	CCAAATCCCACTTCTCATTTGCTGCAGATTGGCAAAAGAAATGTTGTTTGTAGTCTCTGAC	960		
DB	910	CCAAATCCCACTTCTCATTTGCTGCAGATTGGCAAAAGAAATGTTGTTTGTAGTCTCTGAC	969		
QY	961	AAATCTGGAAAGCATGGGCACTGTGTAACCGGCTCAATCGACTGAAATCAAGCAGGCGAGCTT	1020		

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RESULT 2
US-09-981-353-191
; Sequence 191, Application US/09981353
; Patent No. US2002016082A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981,353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 191
; LENGTH: 3111
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

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